



USSN 10.754484 Sequence Listing (19Oct2004).txt
SEQUENCE LISTING

<110> HENDERSON, DANIEL R.

<120> METHODS OF TREATING LUNG DISEASES

<130> 057220/2302

<140> 10/754,485

<141> 2004-01-09

<150> 60/439,373

<151> 2003-01-09

<150> 60/480,047

<151> 2003-06-20

<150> 60/494,841

<151> 2003-08-12

<160> 54

<170> PatentIn Ver. 3.2

<210> 1

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 1

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30

<210> 2

<211> 51

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 2

gatttgccgc taccggaagt cgaccagtt agtgttgaga tgatgctttg a

51

<210> 3

<211> 794

<212> DNA

<213> Homo sapiens

<400> 3

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ttctacaaag aaaacacagc tacaactgga gcatttactg ctggatttac agatgatttt 180
gaatggaatt aataattaca agaatcccaa actcaccagg atgtcacat ttaagtttta 240
catgcccaag aaggccacag aactgaaaca tcttcagtgt ctagaagaag aactcaaacc 300
tctggaggaa gtgctaaatt tagctcaaag caaaaacttt cacttaagac ccagggactt 360
aatcagcaat atcaacgtaa tagttctgga actaaaggga tctgaaacaa cattcatgtg 420
tgaatatgct gatgagacag caaccattgt agaatttctg aacagatgga ttaccttttg 480
tcaaagcatc atctcaacac taacttgata attaatgtgt tcccacttaa aacatatcag 540
gccttctatt tatttaaata tttaaatttt atattttatt ttgaatgtat ggtttgctac 600
ctattgtaac tattattctt aatcttaaaa ctataaatat ggatctttta tgattctttt 660
tgtaagccct aggggctcta aaatgggttc acttatttat cccaaaatat ttattattat 720
gttgaatgtt aaatatagta tctatgtaga ttggttagta aaactattta ataaatttga 780
taaataataa aaaa

794

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<210> 4
 <211> 462
 <212> DNA
 <213> Homo sapiens

<400> 4
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 gcacctactt caagttctac aaagaaaaca cagctacaac tggagcattt actgctggat 120
 ttacagatga ttttgaatgg aattaataat tacaagaatc ccaaactcac caggatgctc 180
 acattttaagt ttacatgcc caagaaggcc acagaactga aacatcttca gtgtctagaa 240
 gaagaactca aacctctgga ggaagtgcta aatttagctc aaagcaaaaa ctttactta 300
 agaccaggga acttaatcag caatatcaac gtaatagttc tggaactaaa gggatctgaa 360
 acaacattca tgtgtgaata tgctgatgag acagcaacca ttgtagaatt tctgaacaga 420
 tggattacct tttgtcaaag catcatctca acactaactt ga 462

<210> 5
 <211> 13
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Spacer peptide

<400> 5
 Gly Ser Thr Ser Gly Ser Gly Lys Ser Ser Glu Gly Lys
 1 5 10

<210> 6
 <211> 53
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Primer

<400> 6
 gtagcggcaa atcctctgaa ggcaaacagg tgcagctggt gcaatcaggg gga 53

<210> 7
 <211> 24
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Primer

<400> 7
 acctaggacg gtgaccttgg tccc 24

<210> 8
 <211> 59
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Primer

<400> 8
 gatccctagg tggcggcgga agcggcgagg gctccgcacc tacttcaagt tctacaaag 59

<210> 9

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<211> 38
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Description of Artificial Sequence: Primer
 <400> 9
 ctcgagttat taagtttagtg ttgagatgat gctttgac 38

<210> 10
 <211> 14
 <212> PRT
 <213> Artificial Sequence
 <220>
 <223> Description of Artificial Sequence: Synthetic peptide
 <400> 10
 Glu Gly Lys Ser Ser Gly Ser Gly Ser Glu Ser Lys Glu Phe
 1 5 10

<210> 11
 <211> 31
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Description of Artificial Sequence: Primer
 <400> 11
 gatcgatatc atgtacagga tgcaactgct g 31

<210> 12
 <211> 34
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Description of Artificial Sequence: Primer
 <400> 12
 cgatgctagc agttagtggt gagatgatgc tttg 34

<210> 13
 <211> 43
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Description of Artificial Sequence: Primer
 <400> 13
 atggcgttga cctttgcggt actggtggcc ctctgtgtgc tca 43

<210> 14
 <211> 39
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Description of Artificial Sequence: Primer

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<400> 14
ccagttttca ttccttactt cttaaacttt cttgcaagt 39

<210> 15
<211> 567
<212> DNA
<213> Homo sapiens

<400> 15
atggcgttga cctttgcgtt actggtggcc ctcttggtgc tcagctgcaa gtcaagctgc 60
tctgtgggct gtgatctgcc tcaaaccac agcctgggta gcaggaggac cttgatgctc 120
ctggcacaga tgaggagaat ctctcttttc tcctgcttga aggacagaca tgactttgga 180
tttccccagg aggagtttgg caaccagttc caaaaggctg aaaccatccc tgcctccat 240
gagatgatcc agcagatctt caatctcttc agcacaaagg actcatctgc tgcttgggat 300
gagaccctcc tagacaaatt ctacactgaa ctctaccagc agctgaatga cctggaagcc 360
tgtgtgatac aggggggtggg ggtgacagag actcccctga tgaaggagga ctccattctg 420
gctgtgagga aatacttcca aagaatcact ctctatctga aagagaagaa atacagccct 480
tgtgcctggg aggttgtcag agcagaaatc atgagatctt tttctttgtc aacaaacttg 540
caagaaggtt taagaagtaa ggaataa 567

<210> 16
<211> 53
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 16
accgtcctag gtggtggcgg agggatcatgt gatctgcctc aaaccacag cct 53

<210> 17
<211> 55
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 17
tcctcgaggt cgacgctagc ttattattcc ttacttctta aactttcttg caagt 55

<210> 18
<211> 1269
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: sFV-alpha-IFN chimera nucleotide sequence

<400> 18
atgaaatacc tattgcctac ggcagccgct ggattgttat tactcgcggc ccagccggcc 60
atggcccagg tacagctgca gcaatcagg ggaggcgtgg tccagcctgg gaggtccctg 120
agactctcct gtgcagcctc tggattcacc ttcagtagct atgctatgca ctgggtccgc 180
caggctccag ggaaggggct ggagtgggtc tcagctatta gtggtagtgg tggtagcaca 240
tactacgcag actccgtgaa gggccgggtc accatctcca gagacaacgc caagaactca 300
ctgtatctgc aaatgaacag cctgagagcc gaggacacgg ctgtgtatta ctgtgcgaga 360
gatacccgag ggtacttcga tctctggggc cgtggcacc tggtcaccgt ctctcagg 420
ggcggagggt catctgagct gactcaggac cctgctatgt ctgtggcctt gggacagaca 480
gtcagaatca catgtcaagg ggacagtctc agaaagtatc atgcaagctg gtatcagcag 540
aagccagggc agggcccctgt tcttgtcatc tatggttaaga atgaacgtcc ctcagggatc 600
ccagagcgat tctctgggtc cacctcagga gacacagctt ccttgaccat cagtgggctc 660
caggcggaag atgaggctga ctattactgt cactcccag actctaagtc tgatcttgtg 720

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gtgttcggcg	gagggaccaa	ggtcaccgtc	ctaggtggtg	gcggaggggc	atgtgatctg	780
cctcaaacc	acagcctggg	tagcaggagg	accttgatgc	tcctggcaca	gatgaggaga	840
atctctctt	tctcctgctt	gaaggacaga	catgactttg	gatttcccca	ggaggagttt	900
ggcaaccagt	tccaaaaggc	tgaaaccatc	cctgtcctcc	atgagatgat	ccagcagatc	960
ttcaatctct	tcagcacaaa	ggactcatct	gctgcttggg	atgagaccct	cctagacaaa	1020
ttctacactg	aactctacca	gcagctgaat	gacctggaag	cctgtgtgat	acaggggggtg	1080
ggggtgacag	agactcccct	gatgaaggag	gactccattc	tggctgtgag	gaaatacttc	1140
caaagaatca	ctctctatct	gaaagagaag	aaatacagcc	cttgtgcctg	ggagggttgtc	1200
agagcagaaa	tcagtagatc	tttttctttg	tcaacaaact	tgcaagaaaag	tttaagaagt	1260
aaggaataa						1269

<210> 19
 <211> 41
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Primer

<400> 19
 cctcgagata tcgccaccat gaccaacaag tgtctcctcc a 41

<210> 20
 <211> 37
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Primer

<400> 20
 ctctagatct tcagctagcg tttcggaggt aacctgt 37

<210> 21
 <211> 564
 <212> DNA
 <213> Homo sapiens

<400> 21	
atgaccaaca	agtgtctcct ccaaattgct ctctgtttgt gcttctccac tacagctctt 60
tccatgagct	acaacttgct tggattccta caaagaagca gcaattttca gtgtcagaag 120
ctcctgtggc	aattgaatgg gaggcttgaa tactgcctca aggacaggat gaactttgac 180
atccctgagg	agattaagca gctgcagcag ttccagaagg aggacgccgc attgaccatc 240
tatgagatgc	tccagaacat ctttgctatt ttcagacaag attcatctag cactggctgg 300
aatgagacta	ttgttgagaa cctcctggct aatgtctatc atcagataaa ccatctgaag 360
acagtccttg	aagaaaaact ggagaaagaa gatttcacca ggggaaaact catgagcagt 420
ctgcacctga	aaagatatta tgggaggatt ctgcattacc tgaaggccaa ggagtacagt 480
cactgtgcct	ggaccatagt cagagtggaa atcctaagga acttttactt cattaacaga 540
cttacagggt	acctccgaaa ctga 564

<210> 22
 <211> 54
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Primer

<400> 22
 accgtcctag gtggtggcgg agggatcaatg agctacaact tgcttgatt ccta 54

<210> 23
 <211> 54

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<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 23

tcctcgaggt cgacgctagc ttattagttt cggaggtaac ctgtaagtct gtta 54

<210> 24

<211> 1272

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: sFv-beta-IFN chimera nucleotide sequence

<400> 24

atgaaatacc	tattgcctac	ggcagccgct	ggattgttat	tactcgcggc	ccagccggcc	60
atggcccagg	tgcagctgca	gcaatcagg	ggagggctgg	tccagcctgg	gaggtcccctg	120
agactctcct	gtgcagcctc	tggattcacc	ttcagtagct	atgctatgca	ctgggtccgc	180
caggctccag	ggaaggggct	ggagtgggtc	tcagctatta	gtggtagtgg	tggtagcaca	240
tactacgcag	actccgtgaa	gggccgggtc	accatctcca	gagacaacgc	caagaactca	300
ctgtatctgc	aaatgaacag	cctgagagcc	gaggacacgg	ctgtgtatta	ctgtgcgaga	360
gatacccgag	ggtacttcga	tctctggggc	cgtggcaccc	tggtcaccgt	ctcctcaggt	420
ggcggagggt	catctgagct	gactcaggac	cctgctatgt	ctgtggcctt	gggacagaca	480
gtcagaatca	catgtcaagg	ggacagtctc	agaaagtatc	atgcaagctg	gtatcagcag	540
aagccagggc	aggcccctgt	tcttgtcatc	tatggtaaga	atgaacgtcc	ctcagggatc	600
ccagagcgat	tctctgggtc	cacctcagga	gacacagctt	ccttgaccat	cagtgggctc	660
caggcggaag	atgaggctga	ctattactgt	cactcccag	actctaattg	tgatcttgtg	720
gtgttcggcg	gagggaccaa	ggtcaccgtc	ctagggtggtg	gcggaggggtc	aatgagctac	780
aacttgcttg	gattcctaca	aagaagcagc	aattttcagt	gtcagaagct	cctgtggcaa	840
ttgaatggga	ggcttgaata	ctgccctcaag	gacaggatga	actttgacat	ccctgaggag	900
attaagcagc	tgcagcagtt	ccagaaggag	gacgccgc	tgaccatcta	tgagatgctc	960
cagaacatct	ttgctatitt	cagacaagat	tcattctagca	ctggctggaa	tgagactatt	1020
gttgagaacc	tcctggctaa	tgtctatcat	cagataaacc	atctgaagac	agtcctggaa	1080
gaaaaacttg	agaaagaaga	tttcaccagg	ggaaaaactca	tgagcagtct	gcacctgaaa	1140
agatattatg	ggaggattct	gcattacctg	aaggccaagg	agtacagtca	ctgtgccttg	1200
accatagtca	gagtggaaat	cctaaggaac	ttttacttca	ttaacagact	tacaggttac	1260
ctccgaaact	aa					1272

<210> 25

<211> 99

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 25

ggatatcgcc accatggatg caatgaagag agggctctgc tgtgtgctgc tgctgtgtgg 60
agcagtcctc gtttcgcccc gccaggtaga gctgcagca 99

<210> 26

<211> 50

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 26

cgcggccgct caacctagga cggtagacctt ggtccctccg ccgaacacca 50

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<210> 27
 <211> 73
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Primer

<400> 27
 gtcctaggtg gcggcggaag cggcggaggc tccatgagct acaacttgct tggattccta 60
 caaagaagca gca 73

<210> 28
 <211> 69
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Primer

<400> 28
 tgcggccgct tagctagctt attagtttcg gaggtaacct gtaagtctgt taatgaagta 60
 aaagttcct 69

<210> 29
 <211> 1284
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: TPA SigP-APL10-IFN-beta

<400> 29
 atggatgcaa tgaagagagg gctctgctgt gtgctgctgc tgtgtggagc agtcttcggt 60
 tcgcccagcc aggtacagct gcagcaatca gggggaggcg tgggtccagcc tgggaggtcc 120
 ctgagactct cctgtgcagc ctctggattc accttcagta gctatgctat gcactgggtc 180
 cgccaggctc caggggaagg gctggagtggt gtctcagcta ttagtggttag tggtggttagc 240
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 tcactgtatc tgcaaatgaa cagcctgaga gccgaggaca cggctgtgta ttactgtgctg 360
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 ggtggcggag ggtcatctga gctgactcag gaccctgcta tgtctgtggc cttgggacag 480
 acagtcagaa tcacatgtca aggggacagt ctcagaaaagt atcatgcaag ctggtatcag 540
 cagaagccag ggcaggcccc tgttcttggc atctatggta agaatgaacg tccctcaggg 600
 atcccagagc gattctctgg gtccacctca ggagacacag cttccttgac catcagtggg 660
 ctccaggcgg aagatgaggc tgactattac tgtcactccc gagactctaa tgctgatctt 720
 gtggtgttctg gcggaggggac caaggtcacc gtcctaggtg gcggcggaag cggcggaggc 780
 tccatgagct acaacttgct tggattccta caaagaagca gcaattttca gtgtcagaag 840
 ctccgtgtggc aattgaaatgg gaggcctgaa tactgcctca aggacaggat gaactttgac 900
 atccctgagg agattaagca gctgcagcag ttccagaagg aggacgccgc attgaccatc 960
 tatgagatgc tccagaacat ctttgctatt ttcagacaag attcatctag cactggctgg 1020
 aatgagacta ttgttgagaa cctcctggct aatgtctatc atcagataaa ccatctgaag 1080
 acagtccttg aagaaaaact ggagaaagaa gatttcacca ggggaaaact catgagcagt 1140
 ctgcacctga aaagatatta tgggaggatt ctgcattacc tgaaggccaa ggagtacagt 1200
 cactgtgcct ggaccatagt cagagtggaa atcctaagga acttttactt cattaacaga 1260
 cttacaggtt acctccgaaa ctaa 1284

<210> 30
 <211> 37
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Primer

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<400> 30
gactgatatc gccaccatga gtgtgaaggc catggct 37

<210> 31
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 31
atcaaaaaag ttgaaagaaa gaattttggg ggtggaggca gc 42

<210> 32
<211> 42
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 32
gctgcctcca cccccaaaat tctttctttc aacttttttg at 42

<210> 33
<211> 36
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 33
gggggtggag gcagccaggt acagctgcag caatca 36

<210> 34
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 34
caaggtcacc gtcctaggtt aagcgccgc 30

<210> 35
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 35
gcggccgctt aacctaggac ggtgaccttg 30

<210> 36
<211> 1371
<212> DNA
<213> Homo sapiens

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<400> 36
ctccttccaa gaagagcagc aaagctgaag tagcagcaac agcaccagca gcaacagcaa 60
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gttgttcaag gcttcccat gttcaaaaga ggacgctgtc ttgcatagg ccctggggta 180
aaagcagtga aagtggcaga tattgagaaa gcctccataa tgtaccaag taacaactgt 240
gacaaaatag aagtgattat taccctgaaa gaaaataaag gacaacgatg cctaaatccc 300
aaatcgaagc aagcaaggct tataatcaaa aaagttgaaa gaaagaattt ttaaaaatat 360
caaaacatat gaagtcctgg aaaagggcat ctgaaaaacc tagaacaagt ttaactgtga 420
ctactgaaat gacaagaatt ctacagtagg aaactgagac ttttctatgg ttttgtgact 480
ttcaactttt gtacagttat gtgaaggatg aaaggtgggt gaaaggacca aaaacagaaa 540
tacagtcttc ctgaatgaat gacaatcaga attccactgc ccaaaggagt ccagcaatta 600
aatggatttc taggaaaagc taccttaaga aaggctgggt accatcggag tttacaaagt 660
gctttcacgt tccttactgt tgtattatac attcatgcac ttctaggcta gagaaccttc 720
tagattttgat gcttacaact attctgttgt gactatgaga acatttctgt ctctagaagt 780
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cattattact ggagtcaagc ccttataagt caaaagcatc tatgtgtcgt aaagcattcc 900
tcaaacattt tttcatgcaa atacacaytt ctttcccaa atatcatgta gcacatcaat 960
atgtagggaa acattcttat gcatcatttg gtttgtttta taaccaattc attaaatgta 1020
attcataaaa tgtactatga aaaaaattat acgctatggg atactggcaa cagtgcacat 1080
atttcataac caaattagca gcaccggtct taatttgatg tttttcaact tttattcatt 1140
gagatgtttt gaagcaatta ggatattgtg gtttactgta ctttttgttt tgatccgttt 1200
gtataaatga tagcaatatc ttggacacat ttgaaatata aaatgttttt gtctaccaa 1260
gaaaaatgtt gaaaaataag caaatgtata cctagcaatc acttttactt tttgtaattc 1320
tgtctcttag aaaaatacat aatctaatac aaaaaaaaaa aaaaaaaaaa a 1371
```

```
<210> 37
<211> 5
<212> PRT
<213> Artificial Sequence
```

```
<220>
<223> Description of Artificial Sequence: Synthetic
peptide
```

```
<400> 37
Leu Arg Lys Glu Asp
1 5
```

```
<210> 38
<211> 7
<212> PRT
<213> Artificial Sequence
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```
<220>
<223> Description of Artificial Sequence: Synthetic
peptide
```

```
<400> 38
Gln Leu Phe Val Asn Glu Glu
1 5
```

```
<210> 39
<211> 5
<212> PRT
<213> Artificial Sequence
```

```
<220>
<223> Description of Artificial Sequence: Synthetic
peptide
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```
<400> 39
Leu Asn Gln Leu Thr
1 5
```

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<210> 40
 <211> 5
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic peptide

<400> 40
 Tyr Trp Cys Lys Trp
 1 5

<210> 41
 <211> 5
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic peptide

<400> 41
 Gly Trp Tyr Trp Cys
 1 5

<210> 42
 <211> 6
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic peptide

<400> 42
 Ser Thr Leu Val Pro Leu
 1 5

<210> 43
 <211> 5
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic peptide

<400> 43
 Ser Tyr Arg Thr Asp
 1 5

<210> 44
 <211> 6
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic peptide

<400> 44
 Gln Asp Pro Arg Leu Phe

1

5

<210> 45
 <211> 5
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic peptide

<400> 45
 Lys Arg Ser Ser Lys
 1 5

<210> 46
 <211> 5
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Linker peptide

<400> 46
 Gly Gly Gly Gly Ser
 1 5

<210> 47
 <211> 4
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Linker peptide

<400> 47
 Gly Ser Gly Ser
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<210> 48
 <211> 4
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Linker peptide

<400> 48
 Gly Ser Ser Gly
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<210> 49
 <211> 6
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: 6-His tag

<400> 49
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 1 5

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<210> 50
 <211> 8
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Linker peptide

<400> 50
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 1 5

<210> 51
 <211> 6
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Linker peptide

<400> 51
 Gly Gly Ser Gly Gly Ser
 1 5

<210> 52
 <211> 5
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Linker peptide

<400> 52
 Gly Gly Gly Gly Cys
 1 5

<210> 53
 <211> 774
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Nucleotide
 sequence of pIgR-directed sFV (APLP10)

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 gatacccgag ggtacttcga tctctggggc cgtggcacc tggtcaccgt ctccctcagg 420
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 caggcggaag atgaggctga ctattactgt cactcccag actctaagc tgatcttgtg 720
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<210> 54
 <211> 1197
 <212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Nucleotide
sequence of pIgR-directed sFV-IL-2 fusion construct

<400> 54

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atggcccagg	tacagctgca	gcaatcaggg	ggaggcgtgg	tccagcctgg	gaggtcccctg	120
agactctcct	gtgcagcctc	tggattcacc	ttcagtagct	atgctatgca	ctgggtccgc	180
caggctccag	ggaaggggct	ggagtgggtc	tcagctatta	gtggtagtgg	tggtagcaca	240
tactacgcag	actccgtgaa	gggccgggtc	accatctcca	gagacaacgc	caagaactca	300
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ggcggagggg	catctgagct	gactcaggac	cctgctatgt	ctgtggcctt	gggacagaca	480
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